

L 05822-67

ACC NR: AT6031467

experiments with electron scattering in a 45—90 degree angle. Descriptions are given of the installation, the process of electron storage, and radiance measurements. The results of the first experiments on electron scattering show that divergences from the reference curve of the Moller electron scattering do not exceed the statistical error. Orig. art. has: 8 figures.

SUB CODE: 09, 20/ SUBM DATE: none/ ORIG REF: 005/

kh

Card 2/2

USSR/Cultivated Plants - Grains

M

Abs Jour : Ref Zhur Biol., No 18, 1958, 82315

Author : Kushnirko, Yu.D.

Inst :

Title : Effectiveness of Organic-Mineral Mixtures Under Corn
on the Leached Chernozeums of the Southern Urals

Orig Pub : Agrobiologiya, 1957, No 3, 23-27

Abstract : The greatest increase in the yield of green bulk (25.5%) was obtained with the local application of organic-mineral mixture (5 tons of humus plus 2 centners of superphosphate). After application of the superphosphate (2 centners/ha) into the planting holes at sowing time, the increase in the yield of green bulk comprised 12.6%, and with the application of humus - 4.2%. With the local application of organic-mineral mixtures the period of vegetation is reduced and the ripening of the corn is accelerated. -- N.F. Kravtsova

Card 1/1

- 35 -

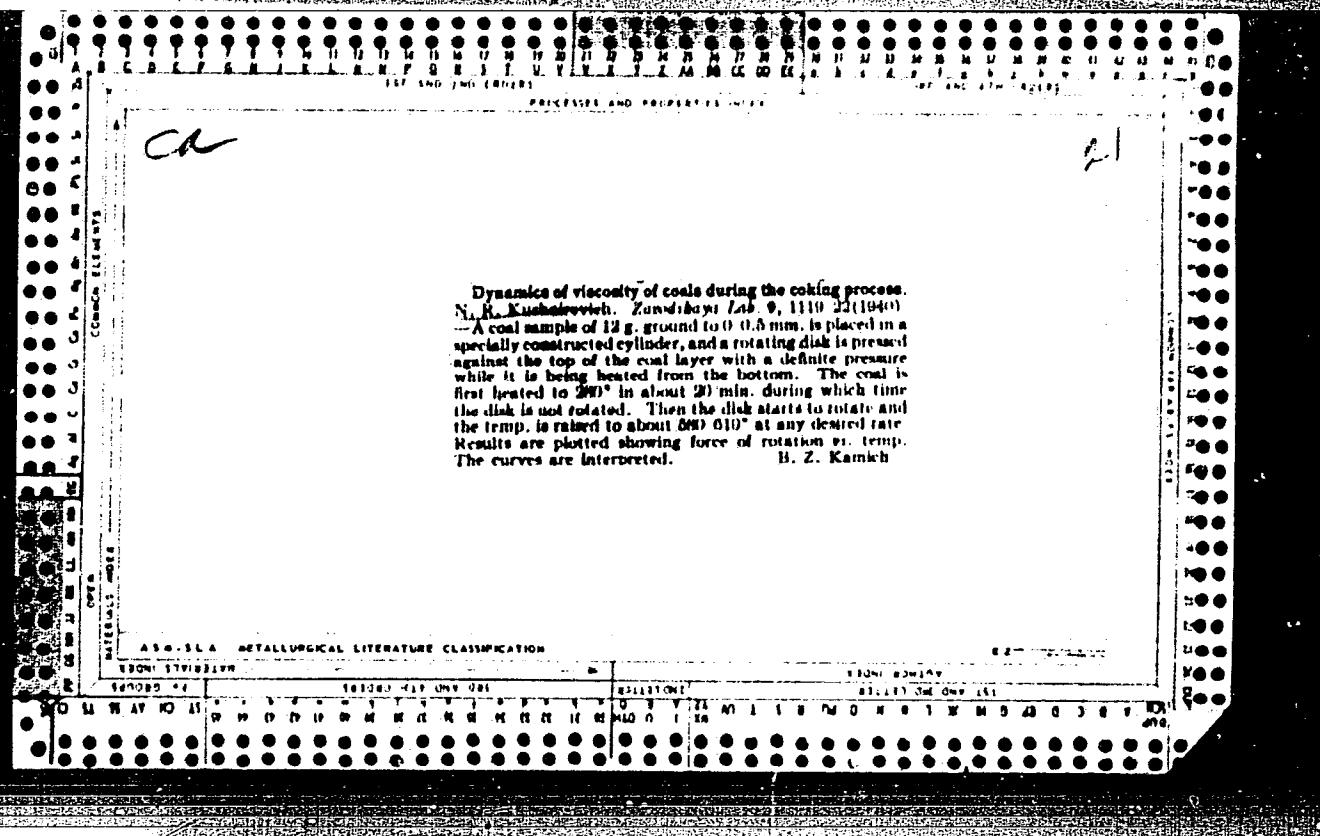
ONOPRIYENKO, V.P.; ASTAKHOV, A.G.; STARSHINOV, B.N.; ORLOV, V.S.; BURDYUKOV,
D.P.; ROVENSKIY, I.I.; KUSHNIREV, V.A.; POKRYSHKIN, V.L.

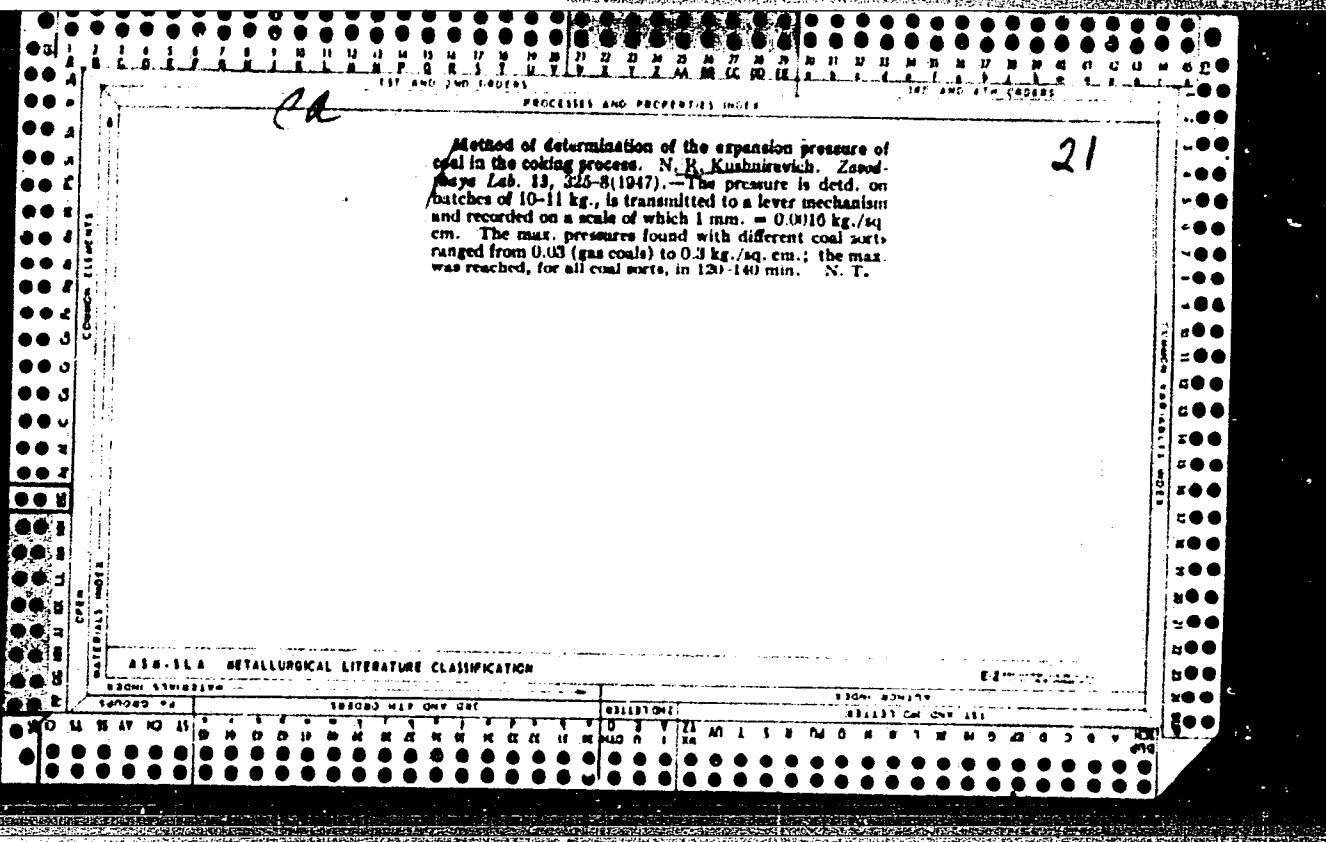
Obtaining a high-basicity sinter out of Krivoy Rog iron ores.
Trudy Ukr. nauch.-issl. inst. met. no.6:7-22 '60. (MIRA 14:3)
(Krivoy Rog Basin—Iron ores)
(Sintering)

8
21
Determination of the viscosity of coal during the plastic period. N. R. Kushnirevich. *Coke and Chem.* (U. S. S. R.) 1937, No. 10, 24-32. The resistance offered to rotation of a corrugated Fe disk immersed in coal powder rises at about 450°, falls sharply at 475-525°, and rises to a second max. at 525-55°, followed by a rapid fall to a const. value, coinciding with solidification of the mass.

B. C. P. A.

A10-11A METALLURGICAL LITERATURE CLASSIFICATION





KUShNIReViCH, N.R.

68-7-1/16

AUTHOR: Kushnirevich, N.R. (Cand.Tech.Sc.)

TITLE: Possibilities of the Utilization of Coals from the Western Donbass for Coking (Perspektiva ispol'zovaniya ugley zapadnogo Donbassa dlya koksovaniya)

PERIODICAL: Koks i Khimiya, 1957, Nr 7, pp. 3-5 (USSR)

ABSTRACT: General characteristics of the above coals are given. The following are the main points: the content of spores up to 20% and in some cases up to 30%; volatile content 40-45%, inherent moisture 1-3%, thickness of plastic layer 7-15 mm. The author established that coals tested gave two types of plastometric curves, those with a well pronounced minimum (fig.) and without a minimum. Coke produced from the first type of coals (4.5 kg laboratory oven) was satisfactory while that from the second group of coals very weak. Results of experimental coking of individual coals and in blends are given in Tables 1-5. It is concluded that the majority of coals from the Western Donbass can replace gas and fat coals in blends of the Southern coke oven works. In view of the low sulphur content of the coals tested the rapid development of the Western Donbass is advocated. There are 5 tables and 2 figures.

Card 1/2

ASSOCIATION: U.Kh.I.N.

AVAILABLE: Library of Congress

68-7-1/16

Card 2/2

"APPROVED FOR RELEASE: 03/13/2001

CIA-RDP86-00513R000927830005-7

KUSHNIROV, B.V., kandidat meditsinskikh nauk (Kishinev)

Symptom of an interrupted ectopic pregnancy. Sov.med.19 no.8:
82-84 Ag '55.
(PREGNANCY, EXTRAUTERIN)

APPROVED FOR RELEASE: 03/13/2001

CIA-RDP86-00513R000927830005-7"

KUSHNIROV, B.V., kandidat meditsinskikh nauk

Subcutaneous emphysema in labor. Akush. i gin. 33 no.2:105-106
Mr-Ap '57. (MLRA 10:6)

1. Iz Przheval'skoy gorodskoy pristanskoy bol'nitsy (glavnnyy
vrach M.T.Popova)
(LABOR, compl.
emphysema, subcutaneous in prolonged labor)
(EMPHYSEMA, etiol. and pathogen.
prolonged labor, causing subcutaneous emphysema)

KUSHNIROV, B.V. (Arkhangel'ski, Proletarskaya ul., d.19, kv. 9)

Cervical cancer in complete uterine prolapse. Vop.onk. 5 no.3:
370-371 '59. (MIRA 12:12)

1. Iz kafedry akusherstva i ginekologii (zav. - prof. A.M. Mazhbits)
Arkhangelskogo gosudarstvennogo meditsinskogo instituta (dir. - dots.
A.A. Kirov).

(CERVIX, NEOPLASMS, compl.
uterine prolapse (Rus))

(UTERUS, dis.
prolapse, with cervical cancer (Rus))

KUSHNIROV, B.V.

Prevention of hemorrhage during cesarean section in the lower segment of the uterus. Sov.med. 26 no.6:127-128 Je '62. (MIRA 15:11)

1. Iz kafedry akusherstva i ginekologii (zav. - dotsent B.V. Kushnirov) Chitinskogo meditsinskogo instituta (dir. - dotsent Yu.D.Ryzhkov).

(CESAREAN SECTION)
(HEMORRHAGE, UTERINE)

KUSHNIROV, B.V.; CHARTORIJSKIJ, N.A.

Case of metastasizing ovarian cancer. Akush. i gin. no.1
150-151 '65.

i. Kafedra skuskeratva i ginekologii (zav.,- ietsent B.V. Kushnirov)
i kafedra patologicheskoy anatomi (zav.,- detsent N.A. Charto-
rjaskij) Chitinskogo meditsinskogo instituta.

ZOR'KIN, Ya.M.; SIMONENKO, A.N.; FEDOTOV, Yu.A.; KUSHNIROV, I.A.

Some features of the tectonic structure of the Dzharkak-Sarytash Upland. Dokl. AN Uz. SSR no.7:14-18 '59.
(MIRA 12:10)

1.Uzbekskiy filial Vsesoyuznogo nauchno-issledovatel'skogo geologo-ravvedochnogo neftyanogo instituta. Predstavлено akad. AN USSR Kh.M. Abdullayevym.
(Uzbekistan--Geology, Structural)

ZOR'KIN, Ya.M.; SIMONENKO, A.N.; FEDOTOV, Yu.A.; KUSHNIROV, I.V.

Tectonic structure of the foundation of the Bukhara-Khiva gas and
oil region. Dokl.AN Uz.SSR no.12:31-34 '59. (MIRA 13:5)

1. Institut geologii i razrabotki neftyanykh i gozovykh mestorozh-
deniy. Predstavлено chlenom-korr. AN UzSSR G.A. Mavlyanovym.
(Uzbekistan--Geology, Structural)

LEBZIN, Ye.V.; KUSHNIROV, I.V.

Characteristics of the development of local structures and the
formation of gas and oil pools in the Gazli oil and gas region.
Geol. nefti i gaza 6 no.7:31-38 Jl '62. (MIRA 15:6)

1. Institut geologii i razrabotki neftyanykh i gazovykh
mestorozhdeniy AN Uzbekskoy SSR.
(Gazli region--Petroleum geology)
(Gazli region--Gas, Natural--Geology)

BABAYEV, A.G.; KUSHNIROV, I.V.; LEBZIN, Ye.V.; SIMONENKO, A.N.

Types of oil and gas fields in the Bukhara-Khiva area. Neftegaz.
geol. o geofiz. no.8:5-11 '63. (MIRA 17:3)

1. Institut geologii i razrabotki neftyanykh i gazovykh
mestorozhdeniy AN Uzbekskoy SSR.

BABAYEV, A.G.; LEBZIN, Ye.V.; SIMONENKO, A.N.; KUSHNIROV, I.V.

Some geological and hydrodynamic characteristics of the forma-
tion and distribution of oil and gas fields in western
Uzbekistan. Geol. nefti i gaza 7 no. 5+1-9 My '63.
(MIRA 16:6)

I. Institut geologii i razrabotki neftyanykh i gazovykh mest-
rozhdeniy AN Uzbekskoy SSR.
(Uzbekistan—Petroleum geology)
(Gas, Natural—Geology)

LEBZIN, Ye.V.; GRISHCHENKO, Yu.A.; KUSHNIROV, I.V.; BYKOV, B.Ye.;
BEGMETOV, E.

Mubareck gas-oil basin in western Uzbekistan. Geol. nefti i
gaza 8 no.12:55-59 D '62. (MIRA 18:2)

1. Institut geologii i razrabotki neftyanykh i gazovkh mestorozh-
deniy AN Uzbekskoy SSR i trest Karshineftegazrazvedka.

KUSHNIROV, R. (Donbass)

Perfect conformity. Izobr. i rats. no.11;14-15 '63.
(MIRA 16:12)

1. Spetsial'nyy korrespondent zhurnala "Izobretatel' i
ratsionalizator."

KUSHNIROV, R. (Donetsk)

Reverse stroke. Izobr. i rats. no.12:23 '63.
(MIRA 17:2)
1. Korrespondent zhurnala "Izobretatel' i ratsionalizator".

LYAKHOV, P.A.; KUNIN, L.Ye.; Prinimali uchastiye: KUSHNIROV, V.A.; KLOCHKOVA,
N.D.; SEREBRYANNIK, G.I.

Hydraulic dust removal from cyclone banks in the sintering plants
of the Southern Ore-Dressing Combine. Obog. rud 5 no.6:49-53 '60.
(MIRA 14:8)

1. Agglomeratsionnyy tsekh Yuzhnogo gornoobogatitel'nogo kombinata
(for Kushnirov, Klochkova, Serebryannik).
(Separators (Machines)) (Dust collectors)

BABAYEV, A.G.; LEEZIN, Ye.V.; SIMONENKO, A.N.; KUSHNIROV, I.V.;
NUGMANOV, A.Kh., kand. geol.-miner. nauk, otv. red.;
KANASH, O.A., red.; KARABAYEVA, Kh.U., tekhn. red.

[Bukhara-Khiva oil and gas area; geology, types of oil and
gas occurrences, their distribution and formation] Bukharo-
Khivinskaia neftegazonosnaia oblast'; geologicheskoe stro-
enie, tipy skoplenii nefti i gaza, zakonomernosti ikh raz-
meshcheniya i formirovaniya. [By] A.G. Babaev i dr. Tashkent,
Izd-vo Akad. nauk UzSSR, 1963. 130 p. (MIRA 16:7)
(Uzbekistan--Petroleum geology)
(Uzbekistan--Gas, Natural--Geology)

L 23296-66

ACC NR: AP6012127

SOURCE CODE: UR/0413/66/000/007/0046/0046

INVENTOR: Dol'nikov, Yu. I.; Brykoin, V. I.; Kushnirov, R. I.;
Yakobson, Ya. S.; Delov, V. I.; Sysin, A. Ya.; Tikhomirov, I. S.

ORG: none

TITLE: Device for studying movements in the large joints of upper
extremities. Class 30, No. 180296SOURCE: Izobrateniya, promyshlennyye obraztsy, tovarnyye znaki, no. 7,
1966, 46

TOPIC TAGS: biomechanics, prosthesis

ABSTRACT: An Author Certificate has been issued for a device used to study movements in the large joints of the upper extremities. It consists of splints and sensors for recording angular parameters. To obtain quantitative assays of extremity movements and their biotechnological characteristics, it is operated in the form of sleeves which are linked by splints fitted with hinged-joint potentiometers. These are aligned above the center of, or coaxially to, joint rotation. A variation of the above device is equipped with a rotation sensor attached to the shoulder assembly. This sensor is operated in the form of two sleeves mounted on bushings. The wrist is fitted with a forearm

Card 1/2

UDCI 615.47:612.746-087

L 23296-66

ACC NR: AP6012127

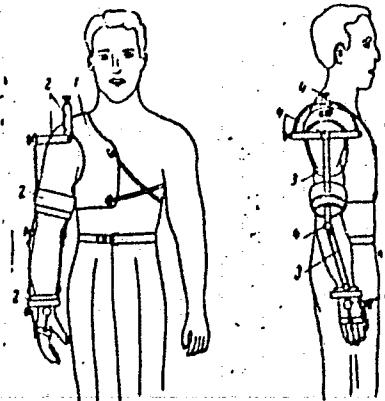


Fig. 1. Diagram of the device.

1 - Shoulder assembly; 2 - sleeves;
3 - splints; 4 - potentiometers.

rotation sensor with hinged rods attached to the hand. This assembly permits the desired attachment and separate recording of movements in mutually perpendicular planes (see Fig. 1). Orig. art. has: 1 figure.
[CD]

SUB CODE: 06/ SUBM DATE: 07Jan65/ ATD PRESS: 4230

Card 2/2

KUSHNIROV, V.A.

Use of calcium in the sintering of fine concentrates of the Southern
Mining and Ore Dressing Combine. Obog. rud 7 no.2:24-27 '62.
(MIRA 16:4)

1. Yuzhnnyy gornoobogatitel'nyy kombinat.
(Sintering)

AUTHORS: Bautin, I.G. and Kushnirov, V.F. SOV/68-58-8-4/28

TITLE: Some Design Features of a Hammer Mill and Its Operation
During Crushing of Hard Coals (Konstruktivnyye osobennosti
molotkovoy drobilki i rezhiye raboty pri droblenii
tverdykh ugley)

PERIODICAL: Koks i Khimiya, 1958, Nr 3, pp 12 - 14 (USSR)

ABSTRACT: An investigation of the influence of the design of screens, the position of outlet and the velocity of rotation of the rotor on the output and degree of fineness of coal was carried out. Three types of screens: standard, bevelled and rounded (Figure 1) - results Table 1; the position of outlet above and below the rotor axis (Table 2 and Figure 2) and rpm 750 and 980 (Table 3) were tested. It was found that for crushing of hard coals, the rotor's rpm should be 980-1 000, the outlet should be situated below the axis of the rotor and the standard screen gives the best service. However, the need for further testing of rounded screens is suggested. There are 3 tables and 2 figures.

Card 1/2

SOV/68-58-8-4/28

Some Design Features of a Hammer Mill and its Operation During
Crushing of Hard Coals

ASSOCIATION: Krivorozhskiy metallurgicheskiy zavod
(Krivoy Rog Metallurgical Works)

1. Coal--Processing 2. Hammer mills--Design 3. Hammer
mills--Performance

Card 2/2

AUTHOR: Kushnirov, V.P.

SOV/68-58-2-1/20

TITLE: Optimum Degree of Crushing of Coals for Coking
(Optimal'naya stepen' izmel'cheniya ugley dlya
koksovaniya)

PERIODICAL: Koks i Khimiya, 1959, Nr 2, pp 3 - 5 (USSR)

ABSTRACT: The problem of optimum degree of crushing of coals and coal blends is discussed. It is pointed out that on some southern coking works, the degree of crushing varies between 86.2-93.5% to -3 mm while the coke quality in respect of strength and size distribution varies very little (Table 1). Some experimental work carried out at the author's works by UKhIN indicated that coke produced from the same blend crushed to 93.2 and 83.1% of -3 mm had very similar properties (Table 2). An analysis of the size distribution of the individual coals delivered for coking and the distribution of ash in the individual size fractions (Tables 3 and 4) indicated that if coals were coked as delivered, the blend would contain 66.2% of -3 mm fraction and 28.1% of 0.5-0 mm fraction. After crushing to 83.2% of -3 mm fraction, the amount of dust (0.5 - 0 mm) increases to 54.2%. Thus, the increase in the -3 mm fraction takes place mainly due to an increase in

Card1/2

SOV/68-58-2-1/20

Optimum Degree of Crushing of Coals for Coking

dust and simultaneous increase in the ash content of coarse fractions. Thus, crushing takes place mainly by grinding of the ashless coal material. The above indicates the advantage in screening before crushing. It is concluded that in choosing the optimum degree of crushing the distribution of ash between the individual size fraction must be retained uniform. In order to improve crushing process screening off of - 3 mm fraction is necessary. There are 4 tables.

ASSOCIATION: Krivorozhskiy metallurgicheskiy zavod
(Krivoy Rog Metallurgical Works)

Card2/2

SOV/68-59-6-4/25

AUTHOR: Kushnirov, V.F.

TITLE: The Influence of the Composition of the Coal Blend and Coking Period on the Size Distribution of Metallurgical Coke (Vliyaniye komponentnogo sostava shikhty i prodolzhitel'nosti koksovaniya na sitovyy sostav metallurgicheskogo koksa)

PERIODICAL: Koks i Khimiya, 1959, Nr 6, pp 12-13 (USSR)

ABSTRACT: Some results of coking blends containing two types of fat coals (Zh) with the coking period varying from 15 hrs 10 mins to 13 hrs 45 mins, are given (table). It was found that the size of coke increased with an increasing proportion of fat coals and increasing the coking period.

Card 1/1 There is 1 table.

ASSOCIATION: Krivorozhskiy Metallurgicheskiy Zavod (Krivoy Rog Metallurgical Works)

IVANOV, Ye.B.; KUSHNIROV, V.F.

Prolonged coal storage. Koks i khim. no.7:3 JI '61.(MIRA 14:9)

1. Krivorozhskiy metallurgicheskiy zavod.
(Coal--Storage)

KUSHNIROV, V.F.

Mixing machines and the uniformity of quality of blended
coal charges. Koks i khim. no.16·12-14 '61. (MIRA 15:2)

1. Krivorozhskiy metallurgicheskiy zavod.
(Mixing machinery)
(Coke industry—Equipment and supplies)

KUSHNIROV, V.F.; IVANOV, Ye.B.

Profit by advantages of the DK flow sheet for improving the
quality of coke. Koks i khim. no.3:12-14 '62. (MILIA 15:3)

1. Krivorozhskiy metallurgicheskiy zavod.
(Coke)

MUCHNIK, D.A.; IVANOV, Ye.B.; KUSHNIROV, V.F.; VASIL'CHENKO, S.O.; KROTOVA, N.I.

Effect of the coarseness of crushing of the various coal charge
components of the quality of coke. Koks i khim. no.1:5-7 '63.
(MIRA 16:2)

1. Krivorozhskiy metallurgicheskiy zavod.
(Coke)

KUSHNIROV, V.F.; CHEKAN, N.T.

Effect of the circumferential speed of the hammer crusher rotor
on the degree of coal fineness and on its operative efficiency.
Koks i khim. no.12:11-13 '63. (MIRA 17:1)

1. Krivorozhskiy metallurgicheskiy zavod.

KUSHNIROV, V.F.

Selecting the efficient technological flow sheet for the
preparation of Donets Basin coals for coking. Koks i khim.
no.1:8-10 '64. (MIRA 17:2)

1. Krivorozhskiy metallurgicheskiy zavod.

ZABLONSKIY, K.I., kand. tekhn. nauk; KUSHNIROV, V.I., inzh.; YELIS, I. Ya.
inzh.

Heat capacity of a globoid reducing gear. Mashinostroenie no.68
(MIRA 18:2)
29-31 N-D '64

ANSWER
PETRUS, V.S.; KUSHNIROVA, O.P.; KOSATKINA, A.P.

Study of the bactericidal properties of dry distillation products
of lignite mined in the Transcarpathian Province. Zhur.mikrobiol.
epid. i immun. 28 no.8:70-72 Ag '57. (MIRA 11:2)

1. Iz kafedry mikrobiologii Uzhgorodskogo gosudarstvennogo
universiteta.
(ANTISEPTICS,
lignite dry distillation prod. (Rus))

"APPROVED FOR RELEASE: 03/13/2001

CIA-RDP86-00513R000927830005-7

KUSHNIROVICH, B., inzh.

New method of staining oak. Zhil. stroi. no.9:27 S '61. (MIRA 14:9)
(Stains and staining)

APPROVED FOR RELEASE: 03/13/2001

CIA-RDP86-00513R000927830005-7"

TSIMBANENKO, Ye.G.; KOSSOVSKIY, G.N.; KUSHNIRSKAYA, M.TS.

Making decorative beechwood veneers. Der.prom. 5 no.1:8-10 Ja '56.
(MIRA 9:5)

1. Ukrainskiy nauchno-issledovatel'skiy institut mekhanicheskoy
obrabotki drevesiny.
(Veneers and veneering)

SHEVCHENKO, V.A., kand. tekhn. nauk.; KUSHNIRSKAYA, M.TS., inzh.

Staining beech wood with synthetic stains. Der. prom. 7 no. 7:1-3
Jl '58. (MIRA 11:8)

1. Ukrainskiy nauchno-issledovatel'skiy institut mekhanicheskoy
obrabotki drevesiny.
(Stains and staining)
(Beech)

KUSHNIRSKAYA, M.TS.; PRODANENKO, V.M.

Mixing dyes for wood. Der. prom. 8 no.11:4-6 N '59.
(MIRA 13:3)

1.Ukrainskiy nauchno-issledovatel'skiy institut mekhanicheskoy obrabotki
drevesiny.

(Stains and staining)

PRODANENKO, V.M.; KUSHNIRSKAYA, M.Ts.

New method of improving the quality of lacquer coating films. Der.
prom. 9 no.7:8 Jl '60. (MIRA 13:7)
(Lacquer and lacquering)

PRODANENKO, V.M.; KUSHNIRSKAYA, M.TS.

Improved technology of wood priming. Der.prom. 9 no.12:3-4 D '60.
(MIRA 13:12)

1. Ukrainskiy nauchno-issledovatel'skiy institut mekhanicheskoy
obrabotki drevesiny.
(Wood finishing)

"APPROVED FOR RELEASE: 03/13/2001

CIA-RDP86-00513R000927830005-7

KUSHNIRSKAYA, M. TS.; GLEYZEROVA, L.L.

Deep staining of beech wood. Bum. i der. prom. no. 4:34-36 O-D '64
(MIRA 18:2)

APPROVED FOR RELEASE: 03/13/2001

CIA-RDP86-00513R000927830005-7"

KUSHNIRSKAYA, M.TS.; GLEYZEROVA, L.L.

Staining ground wood. Der. prom. 13 no. 6r7-9 Je '64.
(MIRA 17:6)

1. Ukrainskiy nauchno-issledovatel'skiy institut mekhanicheskoy
obrabotki drevesiny.

"APPROVED FOR RELEASE: 03/13/2001

CIA-RDP86-00513R000927830005-7

KUSHNIRSKAYA, M.TS., inzh.; GLEYZEROVA, L.L., inzh.; KOSTYUCHENKO, Yu.P., inzh.

Deep staining of beech wood. Der. prom. 13 no.9:28-29 5 '64.
(MIRA 17:11)

APPROVED FOR RELEASE: 03/13/2001

CIA-RDP86-00513R000927830005-7"

KUSHNIRSKAYA, Ye.S., kandidat meditsinskikh nauk.

Acute inversion of the uterus following labor. Akush.i gin.
no.6:68-69 N-D '53. (MLRA 7:1)

1. Iz kafedry akusherstva i ginekologii (zaveduyushchiy -
professor I.F.Zhordania) II Moskovskogo meditsinskogo insti-
tuta im. I.V.Stalina i rodil'nogo doma No.23 (glavnnyy vrach -
zasluzhennyy vrach RSFSR R.L.Zak).
(Labor, Complicated) (Uterus--Diseases)

KUSHNIRSKAYA, Ye.S. kandidat meditsinskikh nauk

Historical aspect of the temporizing method in conducting the
puerperal period. Akush. i gin. no.3:67-69 My-Je '55
(MLRA 8:10)

1. Iz kafedry akusherstva i ginekologii (zav.-prof. I.F.Zhor-
dania) II Moskovskogo meditsinskogo instituta imeni I.V.Stalina
i rodil'nogo doma no.23 (glavnnyy vrach-zasluzhennyj vrach RSFSR,
R.L.Zak).

(PUERPERIUM
condition, expectant method, hist.)

(GYNECOLOGY, hist.
expectant method of conducting puerperium)

KUSHNIRSKAYA, Ye.S., kandidat meditsinskikh nauk

Professor A.M.Makeev, the initiator in the introduction of anti-sepsis and asepsis in the Moscow Obstetric Hospital. Sov.med. 19 no.4:92-95 Ap '55.

(MLRA 8:6)

1. Iz kafedry akusherstva i ginekologii (zav.-prof. I.F.Zhordania) II Moskovskogo meditsinskogo instituta imeni I.V.Stalina i rodil'nogo doma No. 23 (glavnnyy vrach - zasluzhennyy vrach RSFSR R.L.Zak).
(ANTISEPSIS AND ASEPSIS,
contribution of A.M.Makeev)

KUSHNIRSKAYA, Ye.S., kandidat meditsinskikh nauk

Remarks on S.N.Davydov's article "Effective choice of uterine incisions on the basis of the vascular system." E.S.Kushnirskaia.
Akush. i gin. 32 no.3:94-95 My-Je '56. (MLRA 9:9)

1. Iz kafedry akusherstva i ginekologii (zav.-prof. I.F.Zhordania)
II Moskovskogo meditsinskogo instituta imeni I.V.Stalina i rodil'-
nogo doma No.23 (glavnnyy vrach - zasluzhennyy vrach RSWSR R.L.Zak)
(UTERUS--SURGERY) (DAVYDOV, S.N.)

KUSHNIRSKAYA, Ye.S.

Aleksandr Petrovich Gubarev and his scientific legacy. Vop. okh.mat.
i det. 2 no.3:85-87 My-Je '57. (MLRA 10:7)

1. Iz Moskovskogo rodil'nogo doma No.23 (glavnnyy vrach - zasluzhennyj
vrach RSFSR R.L.Zak).
(GUBAREV, ALEKSANDR PETROVICH. 1855-1931)

KUSHNIRSKAYA, Ye.S., kand.med.nauk; IVANOVA, Ye.F.

Dimensions and location of the placenta and their relation to blood loss in labor [with summary in English]. Akush. i gin. 34 no.1: 36-38 Ja-F '58. (MIRA 11:4)

1. Iz kliniki akusherstva i ginekologii (zav. kafedroy - prof. I.P. Zhordanina) II Moskovskogo meditsinskogo instituta imeni N.I. Pirogova i rodil'nogo doma No.23 (glavnnyy vrach - zasluzhennyy vrach RSFSR R.L.Zak)

(PLACENTA,
dimension & location, eff. on blood loss in labor (Rus))

(LABOR
blood loss, eff. of placenta dimension & location (Rus))

KUSHNIRSKAYA, Ye. S., kand. med. nauk

Electrometric determination of the tone of the abdominal muscles
and pelvic floor during physiological labor. Akush. i gin. no.3:
19-24 '61. (MIRA 14:12)

1. Iz kafedry akusherstva i ginekologii (zav. - prof. I. I. Feygel')
Kalininskogo meditsinskogo instituta.

(LABOR(OBSTETRICS)) (ABDOMEN) (PELVIS)

KUSHNIRSKAYA, Ye.S., kand.med.nauk.

State of protein fractions in the blood of pregnant women in
nephropathies of different gravity. Trudy KGMU no.10:306-309
'63. (MIRA 1963)

1. Iz kafedry akushерstva i ginekologii (zav. kafedrey - prof.
I.P. Pantsevich) Kalininskogo gosudarstvennogo meditsinskogo
Instituta.

KUSHNIRSKAYA, Ye.S.

Childbirths in cases of untimely bursting of waters. Vop. okh.
mat. i det. 8 no. 3:86 Mr '63. (MIRA 16:5)

1. Iz kafedy akusherstva i ginekologii Kalininskogo meditsinskogo
instituta.

(LABOR, COMPLICATED)

KOSTRYUKOVA, I.M., kand.med.nauk; KUSHNIRSKAYA, Ye.S., kand.med.nauk;
IGONETS, Z.Ya., assistant

Placental presentation according to five-year data of obstetric
institutions in Kalinin. Trudy FGMI no.10:61-63 '63.

1. Iz kafedry akusherstva i ginekologii (zav. kafedrey - prof.
I.F.Pantsevich) Kalininskogo gosudarstvennogo meditsinskogo
instituta.

ЧЕРНЯХОВСКАЯ Е.Е.

ZAK, R.L.; KUSHNIRSKAYA, Ye.Ye.

Severe case of nephropathy with multiple erosions on the gastric
and duodenal mucosa in a pregnant women. Sov.med. 21 Supplement:
27 '57. (MIRA 11:2)

1. Iz kafedry akusherstva i ginekologii II Moskovskogo meditsinskogo
instituta imeni I.V.Stalina i rodil'nogo doma No.23 Moskvy.
(PREGNANCY, COMPLICATIONS OF)
(KIDNEYS--DISEASES)

KUSHNIRSKIY, A.S.

Crystallization of graphite in hypereutectoid steel. Izv.
vys. ucheb. zav.; chern. met. 4 no.7:167-175 '61.

1. Nauchno-issledovatel'skiy institut liteynogo mashinostroyeniya
i liteynoy tekhnologii.
(Steel--Metallography)

KOLOMATSAYA, V.Ye.; KUSHNIRUK, T.N.

Problem of labor productivity and wages. Sakh.prom. 34 no.1:55
Ja '60. (MIRA 13:5)

1. Krasilovskiy sakharnyy zavod.
(Sugar industry)
(Wages and labor productivity)

YERSHOV, V.Z.; KUSHNIRUK, V.A.

Fault tectonics of Carboniferous sediments in the Lvov-Volyn
coal basin. Vest. L'vov. un. Ser. geol. no.2:17-18 '64.
(MFA 19:1)

POLUSHINA, N.A.; KUNIYEV, V.A.; KUCHERUK, V.V.

Wintering of *Miniopterus schreibersii* Kots. (Mammalia, Chiroptera)
in Transcarpathia. Zool. zhur. 43 no.5:782-783 '64 (NIZRA 17:7)

1. Kafedra zoologii pozvonochnykh biologicheskogo fakulteta
Lvovskogo gosudarstvennogo universiteta.

KUSHNIRUK, V.A.

Radiosensitivity of birds. Biol. deis. rad. no.1:81-83'62.
(MIRA 16:6)

1. Zoologicheskiy muzey L'vovskogo universiteta.
(X RAYS--PHYSIOLOGICAL EFFECT) (BIRDS)

ZORIN, L.F., inzh.; KUSHNIRUK, V.A., inzh.

Practice of draining the Rozdol sulfur deposit. Gor zhur.
no. 6:9-11 Je '61. (MIRA 14:6)

1. L'vovskiy sovnarkhoz.
(Rozdol region--Sulfur mines and mining)
(Mine drainage)

S/858/62/000/001/010/013
D296/D307

10-1920

AUTHOR: Kushnareuk, V. A.

TITLE: The radiosensitivity of birds

SOURCE: L'vov. Universitet. Problema laboratoriya radiobiologii. Biologicheskoye deystviye radiatsii, no. 1, 1962, 31-83

TEXT: Earlier reports suggest that the radiosensitivity of birds varies according to the systematic position of the species in question. To study this question in greater detail the author exposed birds belonging to different species to x rays and recorded the dose which caused the death of 50% of the birds within 30 days. A РУМ-11 (RUM-11) apparatus served as source of radiation. The radiation was applied from a distance of 38 cm, at a rate of 40 r/min. During exposure, the birds were kept in a small cage but could move freely. Five different species were investigated: the greenfinch (*Chloris chloris* L.), goldfinch (*Carduelis carduelis* L.), linnet (*Acantis cannabina* L.), house sparrow (*Passer domesticus*)

Card 1/2

The radiosensitivity of birds

S/858/62/000/001/010/013
D296/D307

and the canary (*Serinus canarina* L!). It appeared that the radio-sensitivity of the birds moved within a fairly narrow range quite independently of the species. The dose which caused the death of 50% of the birds within 30 days varied in the 5 species in question between 400 and 625 r. All birds showed disorders of the coordination of movements, in the reflex governing the picking of food, in flight and in perching. There are 1 figure and 1 table.

ASSOCIATION: Zoomuzey L'vovskogo universiteta (Zoological Museum
of L'vov University) ✓

Card 2/2

GIZENKO, A.I., kand.biolog.nauk (Copri, Chersonskaya obl.);
VLADYKHEVSKIY, D.V. (Brestskaya obl., Kamenetskiy rayon, d.
Kamenyuki); YELAGIN, I.N., kand.biolog.nauk (Moskva);
POLUSHINA, N.A. (L'vov); KUSHNIRUK, V.A. (L'vov)

Nature calendar. Priroda 51 no.2:126-127 F '62.
(MIRA 15:2)
(Nature study)

KUSHNIRUK, V.A.

Biology of the Carpathian newt *Triturus montandoni* Bouleng, 1880.
Zool. zhur. 42 no.2:300-302 '63. (MIRA 16:3)

1. Zoological Laboratory of the State University of Lvov.
(Carpathian Mountains—Newts)

POLUSHINA, N.A.; KUSHENIUK, V.A.

Ecology of the frog Rana dalmatina Bonaparte. Zoel. zhur. 42
no.12 1881-1884 '63 (MIRA 1787)

1. Chair of Vertebrate Zoology, The State University of Lvov.

KUSHNIRUK, V.F.; RYNDINA, E.Z.; SOLOV'YEV, S.M.; CHUBURKOVA, I.I.

Usability of large-area semiconductor detectors for $\bar{\lambda}$ -spectrometry.
Atom. energ. 15 no.4:324 O '63. (MIRA 16;10)

ERIBISKII, I., KUSHUNYR', A.

Cost Accounting

Calculating results of socialist competition for the purpose of lowering production costs
in individual operations, Lukhg. uchet, No. 2, 1952.

Monthly List of Russian Accessions, Library of Congress, May 1952, Unclassified.

KUSHNYER', A.M., inzhener.

Rational utilization of raw materials. Leg.prom. 14 no.11:48-50 N '54.
(Leather industry) (MLRA 7:12)

KUSHNIR', A.P.; EDELMAN, Ya.L.

Case of peripheral pulmonary cancer associated with cavernous
pulmonary tuberculosis. Vest. rent. i rad. no. 4:75-76 J1-Ag 154.
(MLRA 7:10)

1. Iz Rostovskogo-na Donu oblastnogo protivotuberkuleznogo
dispansera (glavnnyy vrach G.A.Kamusher) i 2-y tuberkuleznoy
bol'nitsy (glavnnyy vrach M.D.Kondakova)
(TUBERCULOSIS, PULMONARY, complications,
cancer, x-ray)
(LUNGS, neoplasms,
compl., tuberc., pulm.)

STARTSEV, T. KUSHOV, D.

Irrigation - Soviet Central Asia

For further improvement in the technical condition and utilization of irrigation systems. Khlopkovodstvo No. 11, 1951.

Monthly List of Russian Accessions, Library of Congress, August 1952. Unclassified.

YERISH, I.M.; ROKHLENKO, M.A. [authors]; KUSHPIL', F.S., inzhener [redaktor].

[Compressed gas automobiles] Gazooballonne avtomobili. Izd. 2., ispr. i dop.
Kiev, Gos.nauchno-tekhn.izd-vo mashinostroit.lit-ry [Ukrainskoe otd-nie] 1953.
140 p.

(MLRA 6:8)

(Automobiles) (Gas as fuel)

TUMASHEV, Pimer Ivanovich; KUSHPKOV, Vasiliy Semenovich; VALUYEV,
Aleksandr Iosifovich, OSINTSEV, A.S., professor, doktor
ekonomiceskikh nauk, redaktor; LUCHKO, Yu.V., redaktor;
KOVALENKO, N.I., tekhnicheskii redaktor

[Intrashop business accounting; work practice of the open-hearth shop in the Serov Metallurgical Plant. Vnutritsekhovoi khozraschet; opyt martenovskogo tsekha metallurgicheskogo zavoda im. Serova. Sverdlovsk, Gos.nauchno-tekh.izd-vo Lit-ry po chernoi i tsvetnoi metallurgii, Sverdlovskoe otd-nie, 1955.
45 p.

(MLRA 8:10)

(Steel industry--Accounting)

KUSHPEL', V.S.

Experience of organizing business accounting in an open-hearth
plant. Stal' 15 no.4:356-358 Ap '55. (MIRA 8:6)

1. Metallurgicheskiy zavod imeni Serova.
(Metallurgical plants--Accounting)

S/084/60/000/006/007/020
A104/A029

AUTHORS: Burkhanskiy, V., Repair Workshop Supervisor, Guzev, V., Deputy Plant Director, Melikhov, P., Chief Engineer-Electrician and Kushpela, T., Chief Engineer of the Plant

TITLE: Electricity Saving

PERIODICAL: Grazhdanskaya Aviatsiya, 1960, No. 6, p. 7

TEXT: This article consists of three separate reports each describing electricity saving methods enforced in response to an appeal by the Central Committee of the Communist Party of the Soviet Union. V. Burkhanskiy states that 193 kw/h are saved per aircraft repair and 39 kw/h per engine repair. Economy was achieved by shortening the supply line, a general over-haul of air lines, rationalization of the compressor service, abolition of transformer and high-power motors and an increase in condensing batteries power. V. Guzев and P. Melikhov report that in the repair workshop supervised by Ye. Kotov 100,000 kw/h were saved in 1960. T. Kushpela states that 1,400 kw/h have been saved by installation of an automatic rheostat in a salt peter bath; by replacement of chromium bath electric heaters by steam pre-heaters; by installation of inside tank heaters in engine test plants, Card 1/2 ✓

S/084/60/000/006/007/020
A104/A029

Electricity Saving

by subdivision of the cylinder heater switch section and by automatic phase protection of electromotors.



Card 2/2

KUSHPELEVA, N. I.

KUSHPELEVA, N. I.

4697 Kushpeleva, N. I. Kobzeva, P. NA kolkhoznoy svinoferme. (Kolkhoz
im. Voroshilova, Yashkinskogo rayona). Kemerovo, Kn. izo., 1954.
636.4.083st (57.15)

SO: Letopis' Zhurnal' nypn Statey, Vol 7, 1949

KUSHPIL', V.; SUBBOTIN, F. (Leningrad)

Rectifiers used in charging automobile and motorcycle batteries.
Za rul. 16 no.6:10 Je '58.
(MIRA 11:9)
(Automobiles--Batteries) (Motorcycles--Batteries)

KOLOMYTSEV, A. (Leningrad); KUSHPIL', V. (Leningrad); SUBBOTIN, P. (Leningrad)

9,400 km on a motorcycle. Za rul. 16 no.7:8-9 Jl '58.
(Motorcycles--Touring) (MIRA 11:10)

KUSHPIL', V. (g.Leningrad); SUBBOTIN, F. (g.Leningrad)

Homemade air cleaner. Za rul. 17 no.4:21 Ap '59. (MIRA 12:6)

(Motorcycles--Engines--Oil filters)

SUBBOTIN, P. (Leningrad); KUSHPIL', V. (Leningrad); ANISIMOV, A.

Comments on the letter of long-distance vehicle drivers S.Ustinov,
S. Sokolov "For unified traffic regulations". Za rul. 17 no.9:26-27
S '59. (MIRA 13:1)

1.Nachal'nik Gosavtoinspektsii Upravleniya militsii Ministerstva
vnutrennikh del RSFSR (for Anisimov).
(Traffic regulations)

KUSHPIL', V. (g.Leningrad); SUBBOTIN, F. (g.Leningrad)

A single carburetor instead of two. Za rul. 18 no.5:20 My '60.
(MIRA 14:3)

(Motorcycles--Engines--Carburetors)

ACCESSION NR: AP4016585

S/0115/64/000/002/0014/0016

AUTHOR: Kushpil', V. I.; Markov, V. I.; Petrova, L. F.

TITLE: Circuit for measuring effective values at infralow frequencies

SOURCE: Izmeritel'naya tekhnika, no. 2, 1964, 14-16

TOPIC TAGS: infralow frequency, rms value, effective value, rms voltmeter, semiconductor diode rms voltmeter

ABSTRACT: Four D9Y₀ semiconductor diodes connected in a bridge-rectifier circuit are proposed for measuring rms voltage at infralow frequencies: an M-24 100-microamp, 720-ohm d-c voltmeter is used as an indicating instrument. Errors were determined for sinusoidal, triangular, rectangular, and saw-toothed waveshapes; d-c or a-c error was within $\pm 1.5\%$. It is stated that "the input impedance of the instrument varies with the applied voltage within 30-5.1 kohms, the lower value corresponding to the maximum measurand, 0.6 v. The

Card 1/2

ACCESSION NR: AP4016585

maximum input impedance of the instrument is 7,500 ohms/volt." (?? Abstracter)
Orig. art. has: 3 figures and 1 formula.

ASSOCIATION: none

SUBMITTED: 00 DATE ACQ: 12Mar64 ENCL: 00
SUB CODE: GE NO REF SOV: 001 OTHER: 000

Card 2/2

GOPSHTEYN, N. M.; KUSHPIL', V. I.

"Day radiance of the earth's upper atmosphere in the 1.25 microns region."

report presented at the Atmospheric Radiation Symp, Leningrad, 5-12 Aug 64.

ACCESSION NR: AP4043499

S/0293/64/002/004/0619/0622

AUTHOR: Gopshteyn, N. M. ; Kushpil', V. I.

TITLE: Daytime airglow in the upper layers of the earth's atmosphere in the 1.25-micron region

SOURCE: Kosmicheskiye issledovaniya, v. 2, no. 4, 1964, 619-622

TOPIC TAGS: upper atmosphere, airglow, photoelectric spectrophotometer, solar radiation, night airglow, daytime airglow, atmospheric luminescence

ABSTRACT: This article gives the results of measurements of the brightness of the earth's atmosphere in the near-infrared region of the spectrum at heights up to 30 km. There was found to be a considerable increase in the brightness of the upper layers of the atmosphere around 1.25 microns in comparison with adjacent parts of the spectrum. The intensity of the observed luminescence was independent of height and azimuth. Measurements were made with an automatic photoelectric spectrophotometer, and the separation of the individual parts of the spectrum was accomplished with interference light filters. The radiation detector was a germanium photodiode with a tube amplifier.

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ACCESSION NR: AP4043499

After amplification the signal was rectified by a synchronous detector and recorded on phototape by a mirror galvanometer. During the measurements the photometer was pointed at the sky at an angle of 30° to the horizon. The field of view was 2° . Measurements were made on two flights which reached heights of 30 and 20 km. Figures 1 and 2 of the Enclosure show the dependence of brightness on height for wavelengths of 1.00, 1.25 and 1.59 microns. The constancy of the luminescence at 1.25 microns with change in height indicates that its source was situated above 30 km. The observed phenomenon cannot be attributed to reflection or scattering of sunlight by clouds in the upper atmosphere, and was apparently caused by luminescence or photochemical reactions in the upper atmosphere under the influence of solar radiation. The important role of the sun in the origin of the observed luminescence at 1.25 microns is shown by the fact that the brightness considerably exceeds (by a factor of 375) the brightness of the night airglow, whereas at 1.59 microns at a height of 30 km the daytime brightness is only 50 times greater than at night. Orig. art. has: 5 figures.

Card 2/5

ACCESSION NR: AP4043499

ASSOCIATION: None

SUBMITTED: 26Nov63

ENCL: 02

SUB CODE: ES

NO REF SOV: 001

OTHER: 002

Card 3/5

ACCESSION NR: AP4043499

ENCLOSURE: 01

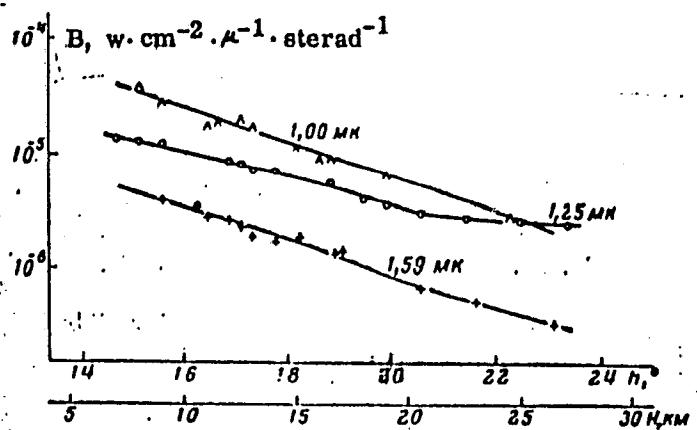


Fig. 1. Measurements of brightness on 23 September 1956 for points in the sky with an azimuth ζ of $150\text{--}180^\circ$ relative to the sun. Angles of scattering $\varphi = 115\text{--}125^\circ$. H -- height at time of measurement, h -- solar altitude, M_k -- microns.

Card 4/5

ACCESSION NR: AP4043499

ENCLOSURE: 02

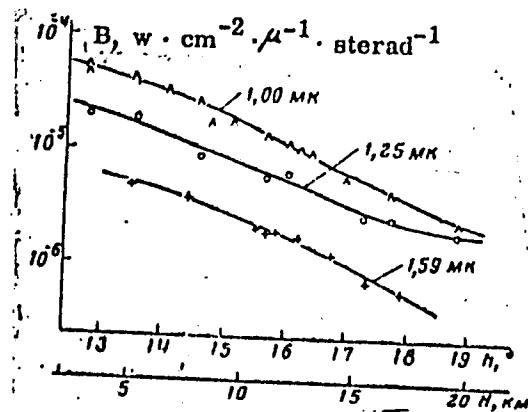


Fig. 2. Measurements of brightness on 9 October 1956. Notations same as in Fig. 1.

Card 6/6

L 2540-66 EWT(1)/FCC GW

ACCESSION NR: AT5025235

UR/2531/65/000/170/0149/0155

AUTHOR: Gopshteyn, N. M.; Kushpil', V. I.

TITLE: Recording spectrophotometer for ground and aerostat measurements of the day-sky brightness

SOURCE: Leningrad. Glavnaya geofizicheskaya observatoriya. Trudy, no. 170, 1965. Issledovaniye radiatsionnykh protsessov v atmosfere (Investigation of radiation processes in the atmosphere), 149-155

TOPIC TAGS: spectrophotometer^{12,13,14,15}, sky brightness, photodiode, threshold sensitivity, scattered radiation, spectral range, bulb intensifier, demodulator

ABSTRACT: A spectrophotometer capable of measuring the sky brightness on the ground and at heights to 35 km has been built. This instrument may be raised on an aerostat and kept elevated throughout all the measurements. A germanium photodiode having a threshold sensitivity of $2-4 \cdot 10^{-12} \text{ W} \cdot \text{cps}^{-1/2}$, serves as the radiation receiver. Scattered radiation can be measured only with suitable instrument parameters. The measuring process lasts 0.5 sec for 10 spectral ranges, which are separated by light filters. A diagram of the arrangement of lenses and mirrors in the spectrophotometer is provided in the original article.

Card 1/2

L 2540-66

ACCESSION NR: AT5025235

A temperature change in the photodiode of the instrument is associated with the change of the inner resistance and an excess over the permitted stress limit in the photodiode. The signal is intensified by a bulb intensifier and rectified by a mechanical synchronous demodulator. The photometer is equipped with a panoramic camera, with a field of view of 240°, so that it can cover a hemisphere including the horizon. The spectrophotometer was standardized in a laboratory using a white illuminated surface with an albedo of 0.97. The threshold sensitivity of the photometer was determined with a standard device. Orig. art. has: 4 figures.

[EG]

ASSOCIATION: Glavnaya geofizicheskaya observatoriya, Leningrad (Main Geophysical Observatory) 44,55

SUBMITTED: 00 ENCL: .00 SUB CODE: ES,OP
NO REF SOV: 002 OTHER: 001 ATD PRESS: 410

Card 2/2 Md

L 2541-66 EWT(1)/FCC GW
ACCESSION NR: AT5025236

UR/2531/65/000/170/0156/0166

AUTHOR: Kushpil', V. I.

44,55

TITLE: Measurements from the ground of the angular distribution and spectral composition of the scattered radiation of the sky

SOURCE: Leningrad. Glavnaya geofizicheskaya observatoriya. Trudy, no. 170, 1965. Issledovaniye radiatsionnykh protsessov v atmosfere (Investigation of radiation processes in the atmosphere), 156-166

12,44,55

TOPIC TAGS: scattered solar radiation, spectrophotometer, almucantar, absorption band, indicatrix

ABSTRACT: The scattered solar radiation in the atmosphere was measured with a spectrophotometer and filters. The measurements took place in July 1956 in the city of Leningrad with a cloudless sky. Measurement results obtained on the same almucantar of observation points related to four azimuths are represented graphically in the original article. The brightness of the sky was more intense on July 17 than on the other days. All curves show a decrease of the intensity of scattered light with an increased wavelength. Minima of these curves relate to the absorption bands of the water vapor. Measurements of the angular distribution of scattered radiation

Card 1/2

APPROVED FOR RELEASE 03/13/2001

L RDP86-06 SW(1)/FSS-2/FCC IT/5A
ACC NR: AP6024427

SOURCE CODE: UR/0362/C6/002/007/0714/0720

AUTHOR: Kushpil', V. I.; Khazak, K. F.

ORG: none

TITLE: Measurements of the brightness of the earth as a planet in the water-vapor absorption ψ band and in the $1.25-\mu$ transparency window

SOURCE: AN SSSR. Izvestiya. Fizika atmosfery i okeana, v. 2, no. 7, 1966, 714-720

TOPIC TAGS: earth brightness, ~~atmospheric transparency~~, ~~increased~~ absorption band, ~~atmospheric~~ water vapor, ~~atmospheric sounding~~ infrared emission, transparency window ~~atmospheric sounding~~, ~~atmospheric~~ property cloud cover

ABSTRACT: The results of measurements of the brightness of the earth are discussed, on the basis of which the mass of water vapor in the atmosphere above the cloud cover is determined. Measurements were made with the upper-level optical station [Kasatkin, A. M. Vysotnaya opticheskaya stantsiya dlya issledovaniya atmosfery, Sb. Iskusstv. sputnika Zemli, vyp. 15, 1963] whose photometer makes possible the photometry of the earth's surface from one horizon to the other. The results of measurements, shown graphically, indicate a clear correspondence between the data obtained from the window of transparency and the absorption band, as well as between theoretical and experimental data. A significant decrease in brightness near the terminator and an

Card 1/2

UDC: 551.593.5

L 35856-66

ACC NR: AP6024427

increase in the direction of the horizon illuminated by the sun are noted. A gradual decline in brightness is observed in the transition sector between the horizon and space. The results of the experiment are not considered satisfactory however, inasmuch as the instrument was not graduated to record water-vapor content. No corrections were made for pressure and temperature in the spectral region which the light filter passed. Nonetheless, the measurements are viewed as an indication of the possibilities of practical solution of one of the reverse problems of satellite meteorology. [DM]V
Orig. art. has: 4 figures and 6 formulas.

SUB CODE: 04 / SUBM DATE: 12Aug65 / ORIG REF: 006 / OTH REF: 005 / ATD PRESS:
5037

Card 2/2 //

ca

Mineral formation between open-hearth slag and dolomite. B. Pines and G. Kushta, *Jal* 6, No. 7, 17 (1960).—Crushed dolomite was mixed with 5 to 50% open-hearth slag, compressed, and heated to 1,380–1,620°C. Specimens contg. less than 20% slag formed $2\text{CaO}\text{SiO}_3$, $2\text{CaO}\text{Fe}_2\text{O}_4$, and free MgO and CaO . Those contg. over 20% slag formed $2\text{CaO}\text{SiO}_3$, $2\text{CaO}\text{Fe}_2\text{O}_4$, free MgO and a solid soln. of $\text{MgO}\text{Fe}_2\text{O}_4$ and $\text{MgO}\text{Al}_2\text{O}_5$. The parameter of the spinel lattice increased with increase of slag content.

H. W. Rathmann

ASB-LSA METALLURGICAL LITERATURE CLASSIFICATION

IRON & STEEL	183003	IRON ORE	COLLATION	SEARCHING
SOURCE #1				
M H A D N S	P W D D P M N	A T J M H E I I R M D A I S Z A M A S O D O R T W M S D R S Y		